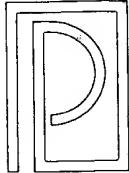


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September 29, 2000

Assistant Commissioner for Patents
BOX Patent Application
Washington, DC 20231

Re: Entry into National Stage for:
 Intl. Appl. No.: PCT/SE00/01505
 Intl. Filing Date: 20 July 2000
 Title: **Receptor**
 Inventor(s): Ahmad, et al.
 Atty. Dkt.: 81823/273963

Sir:

The following documents are being forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Form PTO-1390, Transmittal Letter of the United States Designated/Elected Office (2 pages);
2. A copy of application PCT/SE00/01505 as filed in the PCT Receiving Office in Sweden on 20 July 2000 and comprising:

a title page naming as inventors Sultan Ahmad, Cyrla Hoffert, Dajan O'Donnell, Manon Pelletier and Philippe Walker (unnumbered),
 19 pages of specification (numbered as pages 1-19),
 4 pages of claims (numbered as pages 20-23),
 a one-page abstract (numbered as page 24),
 3 pages of Sequence Listing (numbered as pages 1-3), and
 4 sheets of formal drawings (labeled as Fig. 1-Fig. 3B);
3. Combined Declaration and Power of Attorney executed by inventors Sultan Ahmad, Cyrla Hoffert, Dajan O'Donnell, Manon Pelletier and Philippe Walker (5 pages);

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Assistant Commissioner for Patents
September 29, 2000
Page 2

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4. Assignment to AstraZeneca AB executed by inventors Sultan Ahmad, Cyrla Hoffert, Dajan O'Donnell, Manon Pelletier and Philippe Walker (3 pages), the recordation of which is respectfully requested;
5. Form PTO-1594, Recordation Form Cover Sheet (1 page);
6. Preliminary Amendment;
7. A 3.5" diskette containing a copy of the Sequence Listing in computer readable form;
8. Our check in the amount of \$1,876.00, representing the filing fees and the Assignment recordation fee for this matter; and
9. Two (2) return postcards.

Applicants are submitting the enclosed documents for the purpose of entering into the National Stage for the above-captioned PCT application. Applicants are *not* requesting expedited handling of this application and do *not* request that the National Stage of processing be commenced prior to the expiration date of the applicable time limits under Article 22(1) or (2), or under Article 39(1)(a) of the PCT.

It is respectfully requested that the enclosed postcards be stamped with the date the enclosed documents are received by the PTO and with the application number, and that they be returned as soon as possible.

The Commissioner is hereby authorized to charge any fee deficiency or credit any overpayment to our Deposit Account No. 03-3975.

Respectfully submitted,

PILLSBURY MADISON & SUTRO LLP

Michael A. Sanzo

Michael A. Sanzo
Attorney for Applicants
Reg. No. 36,912

MAS:ct
Enclosures

81822-273963

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)

500 Rec'd PCT/PTO 29 SEP 2000

| International Application No. PCT/SE00/01505 | International Filing Date 20 July 2000 | Priority Dates Claimed 21 July 1999 | | | | |
|---|--|--|------------------|--------------|------------------|-------------|
| Title of Invention Receptor | | | | | | |
| Applicant(s) for DO/EO/US Sultan Ahmad, Cyrla Hoffert, Dajan O'Donnell, Manon Pelletier, Philippe Walker | | | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items under 35 U.S.C. 371: | | | | | | |
| <ol style="list-style-type: none"> <input type="checkbox"/> This express request to immediately begin national examination procedures (35 U.S.C. 371(f)). <input checked="" type="checkbox"/> The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows: | | | | | | |
| CLAIMS | (1) FOR | (2) NUMBER FILED | (3) NUMBER EXTRA | (4) RATE | (5) CALCULATIONS | |
| | TOTAL CLAIMS | 32-20 = | 12 | 12 X \$18.00 | \$ 216.00 | |
| | INDEPENDENT CLAIMS | 8-3 = | 5 | 5 X \$78.00 | 390.00 | |
| | MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$260.00 | 260.00 | |
| Basic National Fee (37 CFR 1.492(a)(1)-(5)): | | | | | | |
| | <input type="checkbox"/> For filing with EPO or JPO search report (37 CFR 1.492(a)(5)) \$840.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) \$670.00 <input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) \$690.00 <input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.492) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$970.00 <input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Articles 33(2)-33(4) \$96.00 | | | | | 970.00 |
| | Surcharge of \$130.00 for furnishing the National fee or oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | | | | |
| | TOTAL OF ABOVE CALCULATIONS | | | | | = 1,836.00 |
| | Reduction by 1/2 for filing by small entity, if applicable. Affidavit must be filed also. (Note 37 CFR 1.9, 1.27, 1.28). | | | | | |
| | SUBTOTAL | | | | | + 1,836.00 |
| | Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | | |
| | TOTAL NATIONAL FEE | | | | | \$ 1,836.00 |
| | Fee for recording the enclosed assignment (37 CFR 1.21(h)). | | | | | + 40.00 |
| | TOTAL FEES ENCLOSED | | | | | \$ 1,876.00 |
| <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> A Check in the amount of \$1,876.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 03-3975 in the amount of \$ _____ to cover the above fees. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 03-3975. | | | | | | |

500 Recd PCT/PTO 29 SEP 2000

3. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
a. is transmitted herewith (required only if not transmitted by the International Bureau).
b. is not required, as the application was filed in the United States Receiving Office (RO/US).
c. has been transmitted by the International Bureau.

4. A translation of the International Application into English (35 U.S.C. 371(c)(2)).

5. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
a. are transmitted herewith (required only if not transmitted by the International Bureau).
b. have been transmitted by the International Bureau.

6. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

7. An oath or declaration of the inventors (35 U.S.C. 371(c)(4)).

8. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

9. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

10. An assignment document for recording.
PLEASE MAIL THE RECORDED ASSIGNMENT DOCUMENT TO:
a. the person whose signature, name and address appears at the bottom of the page.
b. the following:

11. The above checked items are being transmitted:
a. before the eighteenth (18th) month publication.
b. after publication of the Article 20 communication but before twenty (20) months from the priority date.
c. after twenty (20) months but before twenty-two (22) months (surcharge and/or processing fee included).
d. after twenty-two (22) months (surcharge and/or processing fee included).
e. by thirty (30) months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
f. after thirty (30) months but before thirty-two (32) months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included).
g. after thirty-two (32) months (surcharge and/or processing fee included).

12. At the time of transmittal, the time limit for amending claims under Article 19:
a. has expired and no amendments were made.
b. has not yet expired.

13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on _____, namely:

14. Applicants do not request expedited handling of this application and do not request that the National Stage of processing be commenced prior to the expiration of the applicable time limits under Article 22(1) or (2), or under Article 39(1)(a) of the PCT. 35 U.S.C. 371(f).

MICHAEL A. SANZO

NAME

PILLSBURY MADISON & SUTRO

ADDRESS

1100 NEW YORK AVE., N.W., NINTH FLOOR - EAST TOWER, WASHINGTON, DC 20005-3918

Michael A. Sanzo

SIGNATURE

36,912
REGISTRATION NUMBER